| Ref<br># | Hits  | Search Query  | DBs   | Default<br>Operator | Plurals | Time Stamp       |
|----------|-------|---|---|---------------------|---------|------------------|
| S1       | 5     | (("3852768") or ("5214386")).PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2006/06/26 16:22 |
| S2       | 69081 | (particle near10 (size charge ))with (detect\$3 measur\$4 characteri\$5 sens\$3 inspect\$3)           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2006/06/26 16:23 |
| S3       | 1827  | (particle near10 (size and charge<br>))with (detect\$3 measur\$4<br>characteri\$5 sens\$3 inspect\$3) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2006/06/26 16:23 |
| S4       | 196   | S3 and ((difference subtract\$3)with charge with particle)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2006/06/26 16:25 |
| S5       | 16    | S3 and ((difference subtract\$3)with charge with particle with electrode)                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2006/06/26 16:40 |
| S6       | 0     | ("weber").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2006/06/26 16:41 |
| S7       | 7     | ((aerosol adj particle)and (charge<br>and size)).ti.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2006/06/26 16:41 |
| S8       | 3004  | (324/452,71.1,71.3,453).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2006/06/27 10:49 |

| S9  | 84  | S8 and (charge near10 particle)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/27 10:49 |
|-----|-----|---|---|----|-----|------------------|
| S10 | 158 | S8 and (charge near10 particle)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/06/27 10:49 |
| S11 | 94  | S8 and ((measur\$4 determin\$4 detect\$4)with (charge near10 particle)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/06/27 12:27 |
| S12 | 35  | S11 and (size with particle)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/06/27 10:50 |
| S13 | 26  | S12 and (difference subtract\$3)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/06/27 12:01 |
| S14 | 21  | S13 and (electrode)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/06/27 12:24 |
| S15 | 0   | S13 and (five adj electrode)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/06/27 12:02 |
| S16 | 0   | S11 and (five adj electrode)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/06/27 12:25 |

| S17 | 15    | S11 and (ground near5 electrode)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/06/27 12:35 |
|-----|-------|--|---|----|-----|------------------|
| S18 | 16808 | (electrode near5 (concentric coaxial))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/06/27 12:35 |
| S19 | 0     | ((electrode near5 (concentric coaxial))with outside)same (charge near5 (sens\$3 detect\$3 determin\$4 measur\$4))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/06/27 12:36 |
| S20 | 10    | ((electrode near5 (concentric coaxial))with outside)and (charge near5 (sens\$3 detect\$3 determin\$4 measur\$4))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/06/27 12:36 |
| S21 | 698   | ((electrode near5 (concentric coaxial)))and (charge near5 (sens\$3 detect\$3 determin\$4 measur\$4))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/06/27 12:36 |
| S22 | 9     | (US-5214386-\$ or US-3852768-\$ or US-6553849-\$ or US-3740553-\$ or US-3740149-\$ or US-6862536-\$ or US-4607228-\$ or US-4117715-\$ or US-3763428-\$).did. | USPAT   | OR | OFF | 2006/06/27 14:11 |
| S23 | 1     | S22 and (optical with size)  | USPAT   | OR | OFF | 2006/06/27 14:11 |
| S24 | 2     | S22 and (optical with size)  | USPAT   | OR | ON  | 2006/06/27 14:11 |

| Ref<br># | Hits | Search Query   | DBs   | Default<br>Operator | Plurals | Time Stamp       |
|----------|------|--|---|---------------------|---------|------------------|
| L3       | 102  | (73/28.02).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2006/06/27 16:50 |
| L4       | 808  | (73/865.5).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2006/06/27 16:50 |
| L5       | 10   | 3 and 4  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2006/06/27 16:55 |
| L6       | 900  | 3 OR 4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2006/06/27 16:55 |
| L7       | 4    | 6 and (electrode with shield\$3)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2006/06/27 16:56 |
| L8       | 35   | 6 and (electrode with ground)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2006/06/27 17:09 |
| L9       | 4    | 3 and ((subtract\$3 difference)with particle with charge with electrode) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2006/06/27 17:11 |
| L10      | 347  | ((subtract\$3 difference)with particle with charge with electrode)       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2006/06/27 17:12 |

| L11 | 2135 | ((subtract\$3 difference)near5<br>electrode near10 charge) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/27 17:13 |
|-----|------|--|---|----|----|------------------|
| L12 | 6    | 6 and 11   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/27 17:13 |